

1/11

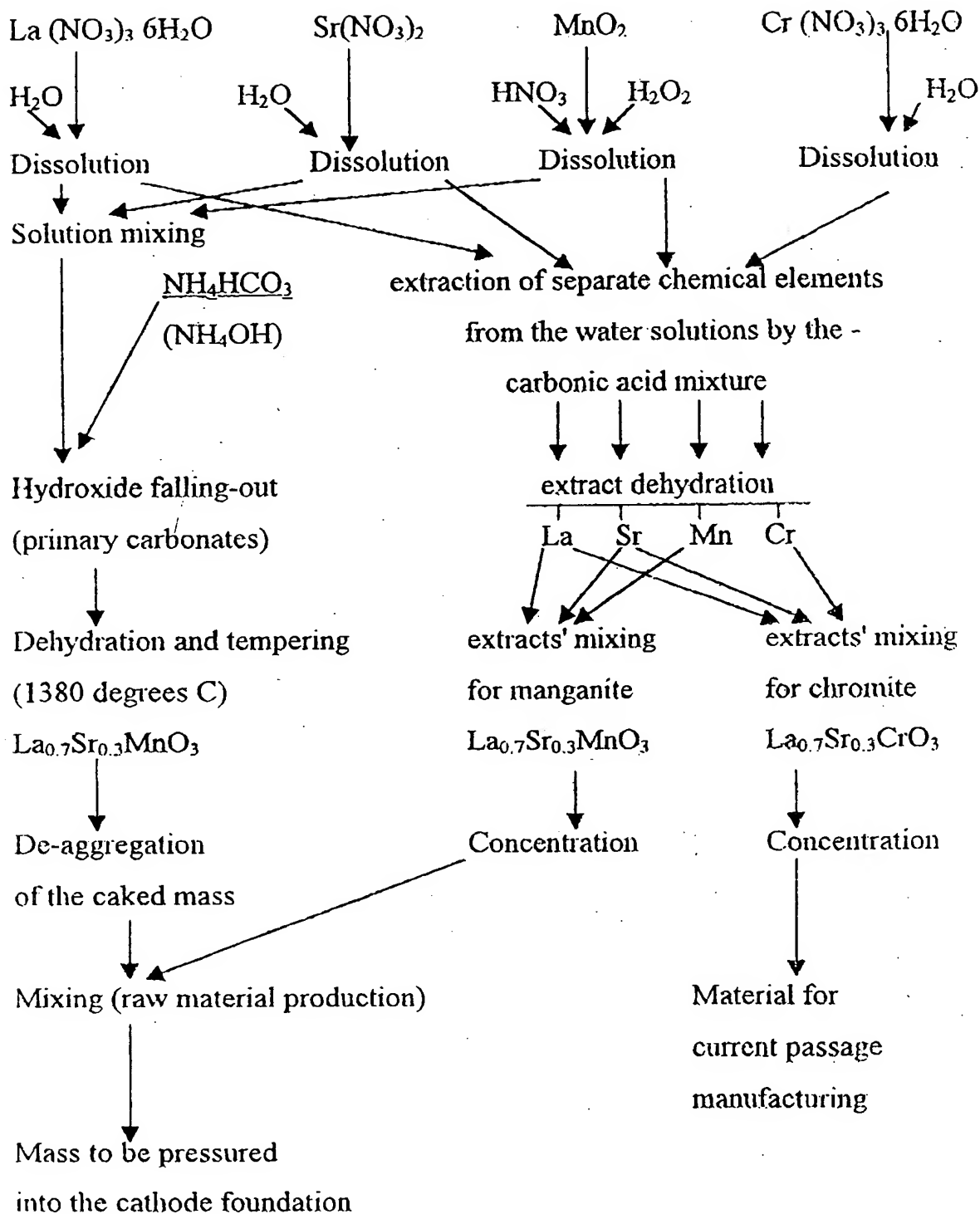


Fig. 1

3/11

Forming the tubular cathode  
by the hydrostatic pressing

Burning out the binding agent, caking  
 $T \sim 1350$  degrees C

Manufacturing the interface layer and current passage  
Mixture of Cr, La, St carboxilates

Manufacturing the electrolyte  
Mixture of Ce, Sm/Gd, Zr, Y, Sc carboxilates

Manufacturing the anode  
Anode material YSZ GSC/ $Ni_{met}$   $Co_{met}$   
Ni or Co carboxilates

Manufacturing the electrical insulating layer  
Material for electrical insulating layer  
Mg Al carboxilates

Thermal treatment  
 $T \sim 1250$  degrees C  
( $MgAl_2O_4$ ) (YSZ)

A single fuel cell

Fig. 3

2/11

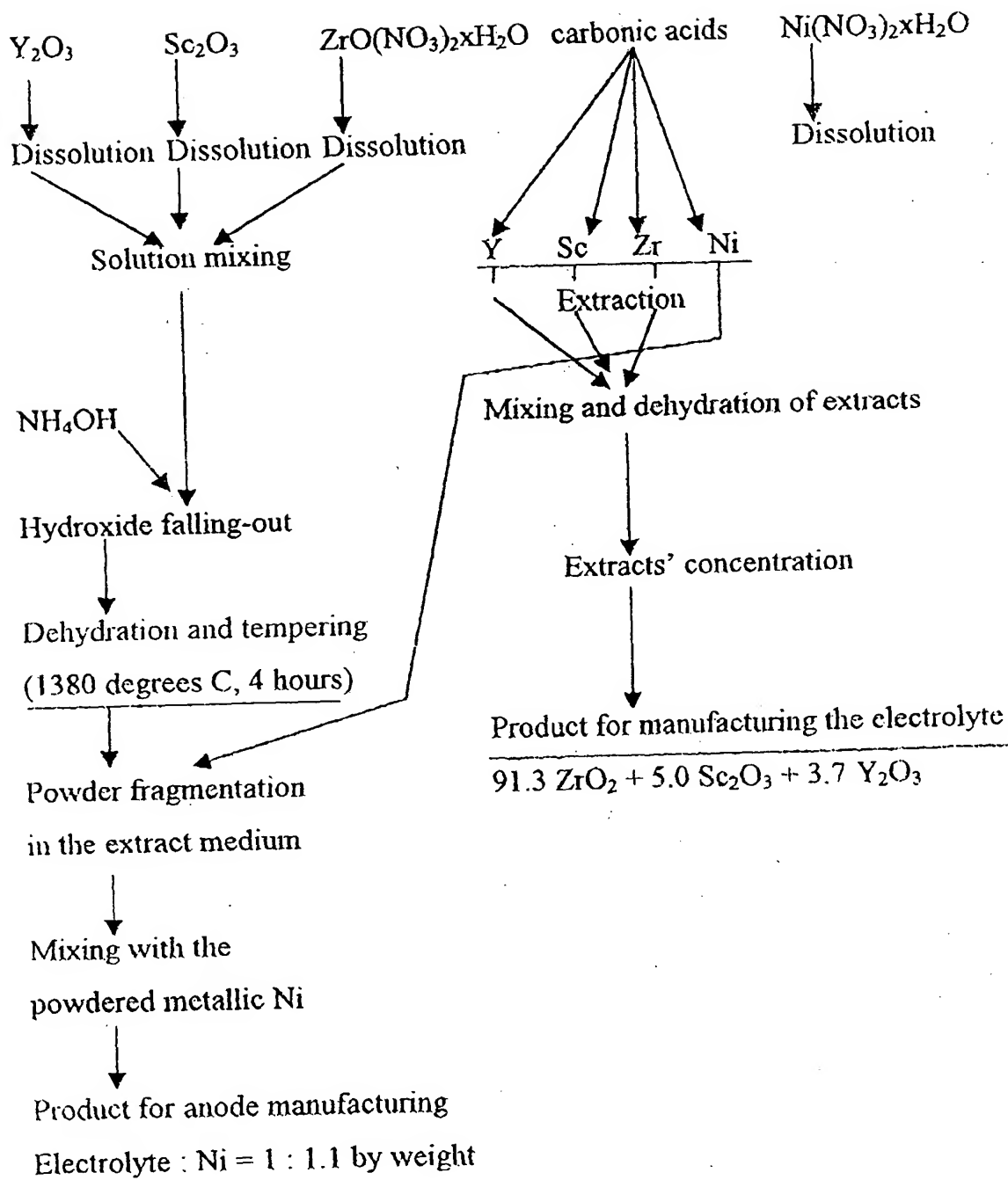


Fig. 2

4/11

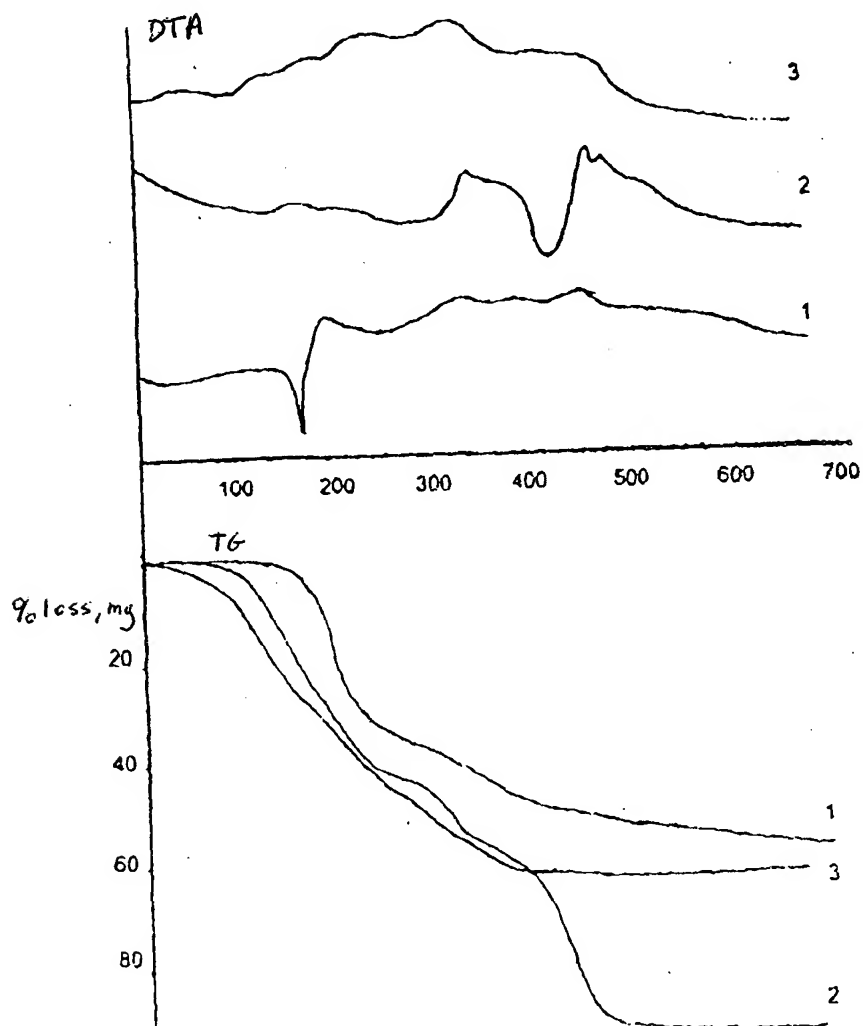


Fig. 4.

5/11

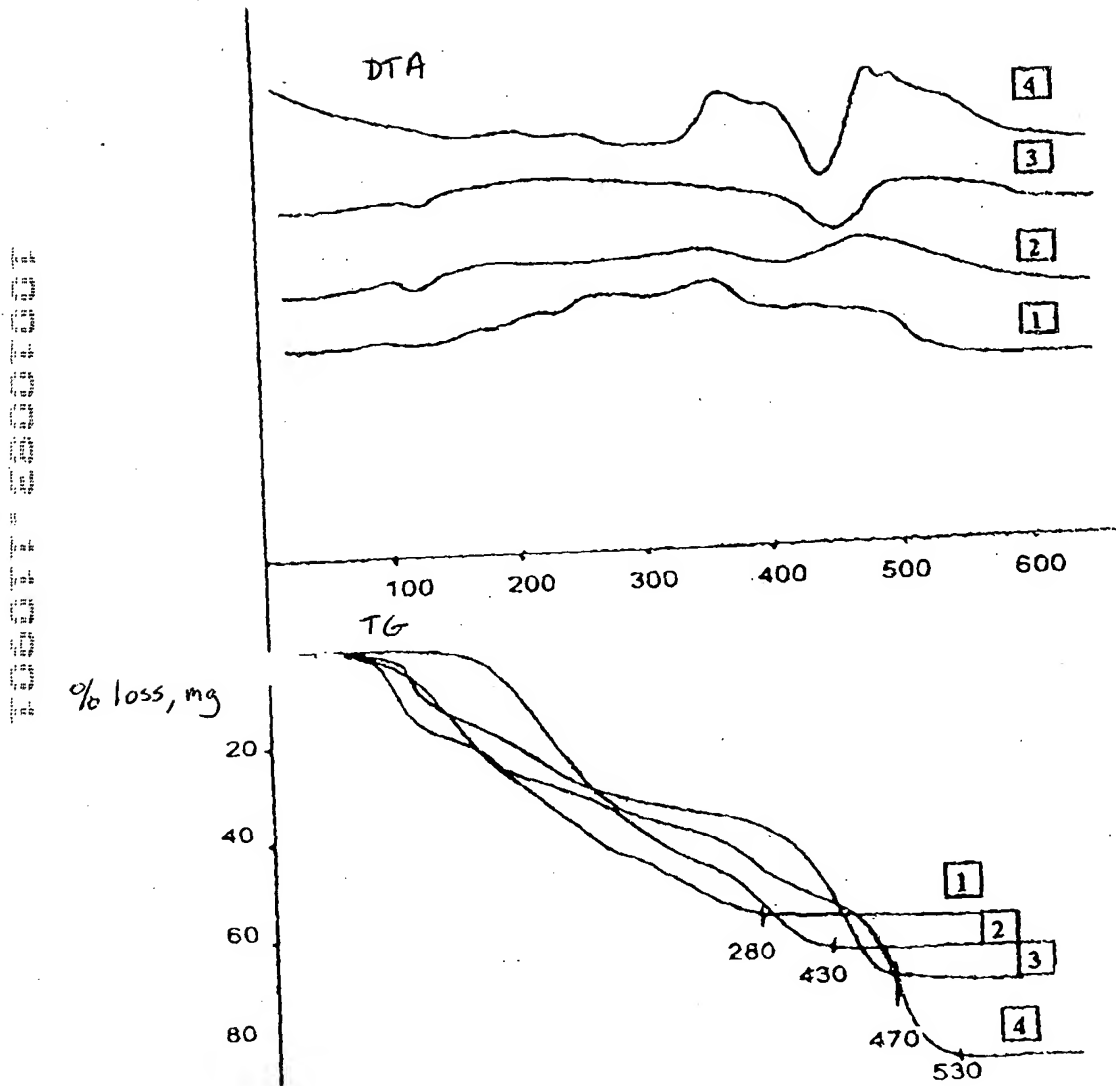


Fig. 5.

28

9/11



ALPHABETIC PROFILES OF HMA  
Roughness = 30.7mm  
Cp. Roughness = 30.7mm  
X = 69.8mm  
Y = 131.8mm



Fig. 9.

6/11

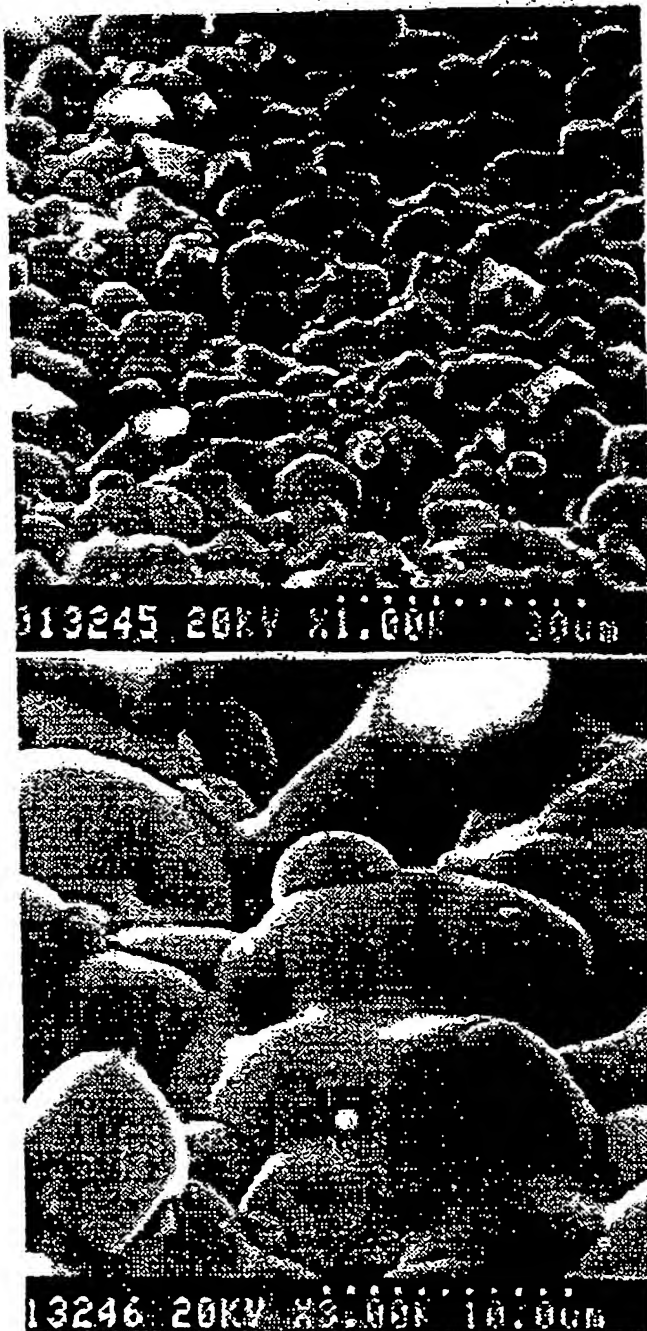


Fig. 6.

76

7/11

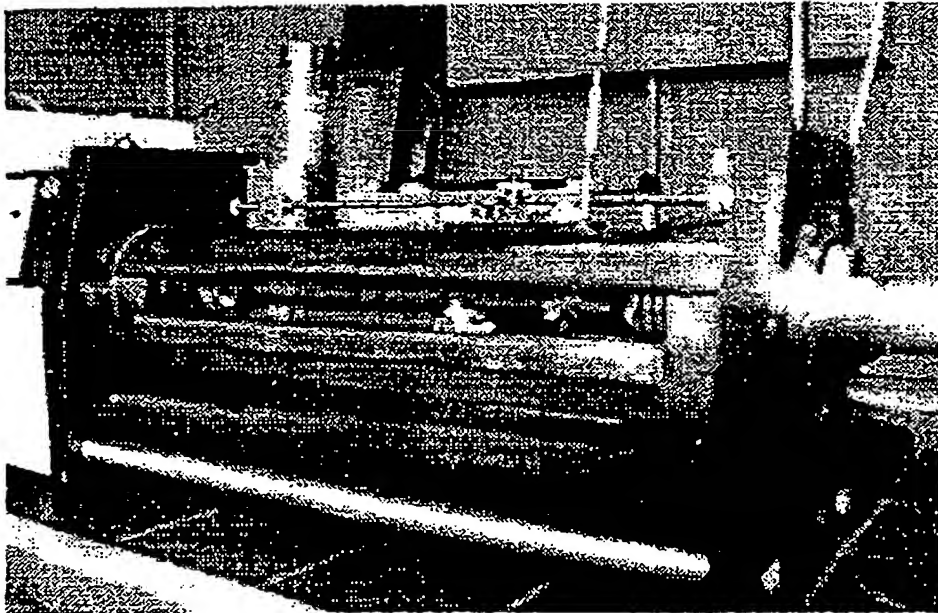


Fig. 7.



77

8/11

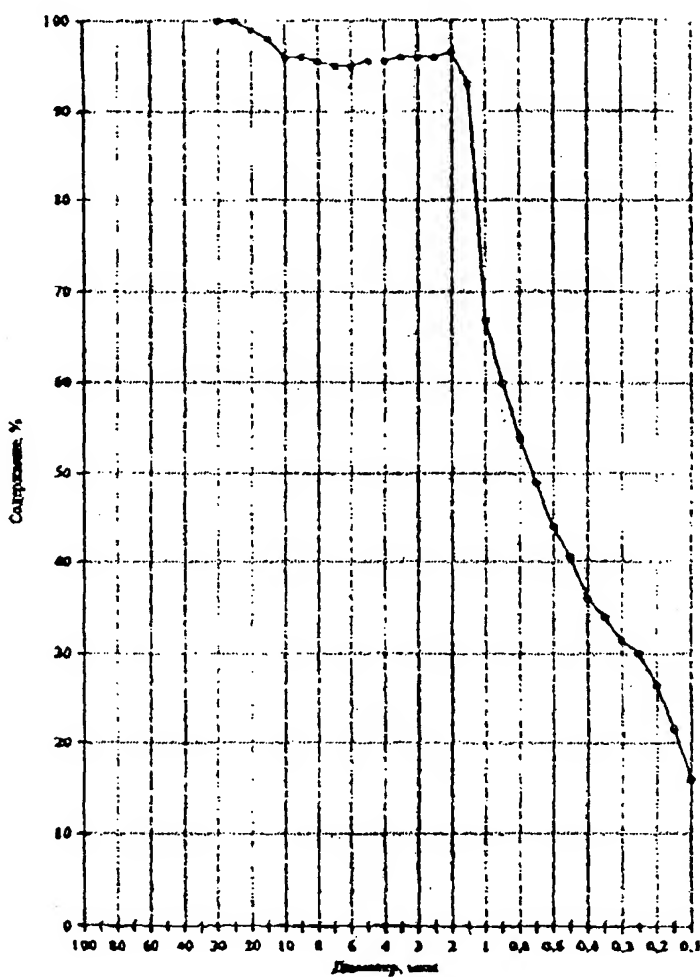


Fig. 8.

79

10/11

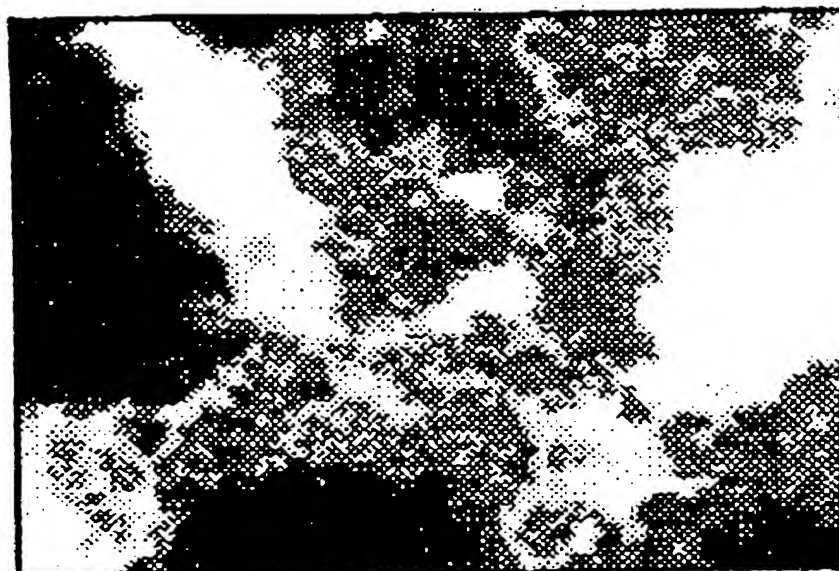


Fig. 10.

11/11

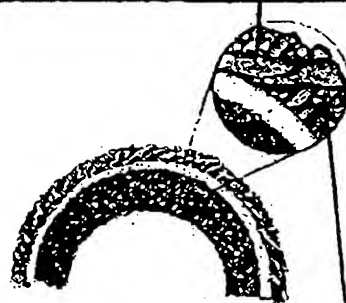


Fig. 11.